

ASTD/TDI Project Static Report

SRS Vadose Zone Monitoring System

Focus Area: Subsurface Contaminants Focus Area

Focus Area Manager: Carl Lanigan, (803) 725-0404

TTP No.: SR09SS31

Principal Investigator: Heather Holmes-Burns, (803) 725-3725

Lead Site: Savannah River

Project No.: 99-ASTD-21

Technology Vendor(s)/Commercial Partner(s):

Tech ID/TMS No.:

None identified at this time

Related Publication(s): None

Web Page(s):

Description: A state of the art vadose zone monitoring program will be deployed at the SRS E-Area LLRWDF to monitor the subsurface below the shallow trenches and above-ground waste vaults. Technologies to be deployed include: time-domain reflectometry, porous cup lysimeters, and advanced tensiometers.

Application: All DOE sites requiring vadose zone monitoring for determining transport of hazardous and radioactive contaminants.

Location(s): SRS

Technology(ies):

Advanced Tensiometers

Porous-Cup Lysimeters

Time-Domain Reflectometers

	Funding (\$K):	<u>FY-98</u>	<u>FY-99</u>	<u>FY-00</u>	<u>FY-01</u>	<u>Total</u>
TTP No.:	SR09SS31	\$0	\$525	\$531	\$0	\$1,056
Leverage Source:	EM-40					\$1,056
Funding Total (\$K):						\$2,112

Cost Savings (\$M):	<u>Proposal</u>	<u>Deployment Plan/TTP</u>	<u>Current Focus Area Projection</u>
	Pending	Pending	\$5,500